



STIC Search Report

EIC 2100

STIC Database Tracking Number: 106204

TO: James Seal
Location: 4D11
Art Unit : 2131
Monday, October 20, 2003

Case Serial Number: 09/287924

From: David Holloway
Location: EIC 2100
PK2-4B30
Phone: 308-7794

david.holloway@uspto.gov

Search Notes

Dear Examiner Seal,

Attached please find your search results for above-referenced case.
Please contact me if you have any questions or would like a re-focused search.

David



STIC EIC 2100 Search Request Form

Today's Date:

10/20/03

What date would you like to use to limit the search?

Priority Date:

Other:

Name James Seal

AU 2131 Examiner # 76900

Room # 4DU Phone 308-4562

Serial # 09287924

Format for Search Results (Circle One):

PAPER

DISK

EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB

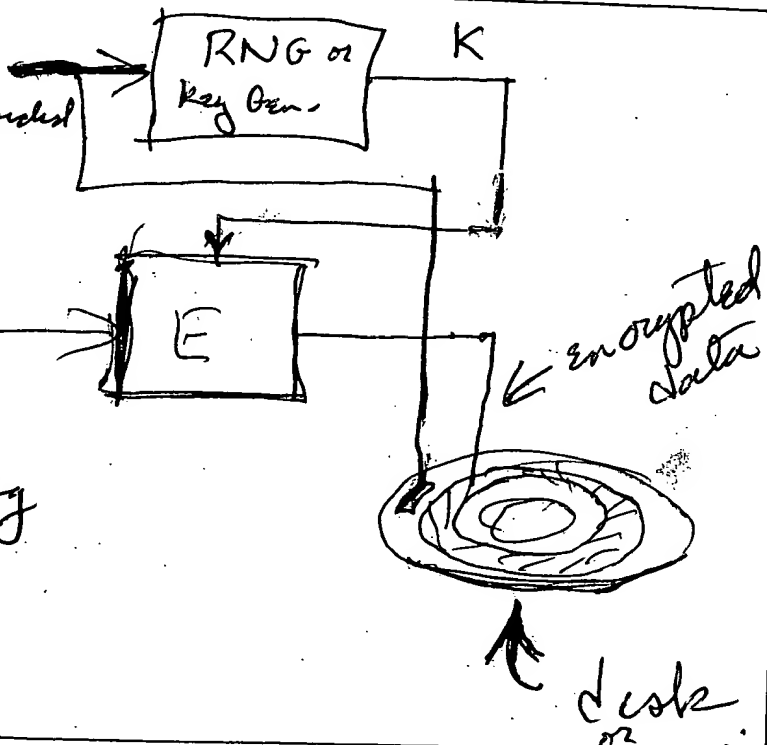
IEEE INSPEC SPI Other _____

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Shown is a figure of seed data to 0. What I used is a reading of the key data or seed, recorded on data medium at a position determined from recording medium but not part of encrypted data



STIC Searcher David Holloway

Phone 308-7799

Date picked up 10-20-03

Date Completed 10-20-03



| Set | Items | Description |
|------|-------------------------------------|---|
| S1 | 616161 | KEY? ? OR ENCRYPT?(2N) (SEED? OR SOURCE? OR KERNEL?) |
| S2 | 827240 | (FLOP? OR OPTICAL? OR COMPACT?) () (DISC? OR DISK?) OR CD? OR REMOVABLE() STORAGE? |
| S3 | 2622203 | HIDDEN? OR CONCEAL? OR WITHIN? OR EMBED? OR HIDE OR HIDING OR INVISIBLE? |
| S4 | 1184682 | POINTER? OR INDICATOR? OR CLUE? OR HINT? ? OR MAP? ? OR MA- PPING OR MAPPED |
| S5 | 7027303 | LOCATION? OR WHERE? OR REGION? OR SECTOR? OR POSITION? OR - ADDRESS? ? |
| S6 | 76 | S1 AND S2 AND S3 AND S4 AND S5 |
| S7 | 1721 | S1 AND S3 AND S4 AND S5 |
| S8 | 392 | S1 AND S2 AND S4 AND S5 |
| S9 | 4490 | S1(5N)S3 |
| S10 | 84 | S9 AND (S7 OR S8) |
| S11 | 157 | S10 OR S6 |
| S12 | 140 | RD (unique items) |
| S13 | 48 | S12 NOT PY>1995 |
| S14 | 2 | S13 AND (ENCRYPT? OR PROTECT? OR SECUR? OR ENCIPHER? OR CI- PHER? OR CYPHER? OR ENCYIPHER? OR PKI) |
| File | 8: Ei Compendex(R) | 1970-2003/Oct W2 (c) 2003 Elsevier Eng. Info. Inc. |
| File | 35: Dissertation Abs Online | 1861-2003/Sep (c) 2003 ProQuest Info&Learning |
| File | 65: Inside Conferences | 1993-2003/Oct W3 (c) 2003 BLDSC all rts. reserv. |
| File | 2: INSPEC | 1969-2003/Oct W2 (c) 2003 Institution of Electrical Engineers |
| File | 94: JICST-EPlus | 1985-2003/Oct W3 (c) 2003 Japan Science and Tech Corp(JST) |
| File | 111: TGG Natl. Newspaper Index(SM) | 1979-2003/Oct 15 (c) 2003 The Gale Group |
| File | 233: Internet & Personal Comp. Abs. | 1981-2003/Jul (c) 2003, EBSCO Pub. |
| File | 144: Pascal | 1973-2003/Oct W2 (c) 2003 INIST/CNRS |
| File | 34: SciSearch(R) Cited Ref Sci | 1990-2003/Oct W2 (c) 2003 Inst for Sci Info |
| File | 62: SPIN(R) | 1975-2003/Sep W1 (c) 2003 American Institute of Physics |
| File | 99: Wilson Appl. Sci & Tech Abs | 1983-2003/Sep (c) 2003 The HW Wilson Co. |
| File | 95: TEME-Technology & Management | 1989-2003/Oct W1 (c) 2003 FIZ TECHNIK |

| Set | Items | Description |
|-----|--------|---|
| S1 | 147668 | KEY? ? OR ENCRYPT?(2N) (SEED? OR SOURCE? OR KERNEL?) |
| S2 | 181568 | (FLOP? OR OPTICAL? OR COMPACT?) () (DISC? OR DISK?) OR CD? OR REMOVABLE() STORAGE? |
| S3 | 917331 | HIDDEN? OR CONCEAL? OR WITHIN? OR EMBED? OR HIDE OR HIDING OR INVISIBLE? |
| S4 | 192799 | POINTER? OR INDICATOR? OR CLUE? OR HINT? ? OR MAP? ? OR MA- PPING OR MAPPED |
| S5 | 26072 | S1(5N) (POSITION? OR WHERE? OR SECTOR? OR ADDRESS? OR LOCA- T?) |
| S6 | 55 | S2(S) S3(S) S4(S) S5 |
| S7 | 1 | S6 AND IC=(H04N? OR H04K?) |
| S8 | 27 | S6 AND IC=G06F? |
| S9 | 24 | S8 NOT AD=19951018:19971018 |
| S10 | 4 | S9 NOT AD=19971018:20001017 |
| S11 | 2 | S10 NOT AD=20001017:20031028 |
| S12 | 9035 | S2(5N) (STRUCTURE? OR PHYSICAL() ELEMENT? OR SPACE? OR STORA- GE() AREA? OR FORMAT? OR SHIFT?) |
| S13 | 7 | S1(2N) S4(5N) S2 |
| S14 | 97 | S12(S) S1(S) S4 |
| S15 | 102 | S13 OR S14 |
| S16 | 93 | S15 NOT AD=19951018:19971018 |
| S17 | 31 | S16 NOT AD=19971018:20011018 |
| S18 | 14 | S17 NOT AD=20011018:20031029 |
| S19 | 14 | S18 NOT S11 |

File 348:EUROPEAN PATENTS 1978-2003/Oct W02

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20031016,UT=20031009

(c) 2003 WIPO/Univentio

11/5,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00300850 **Image available**

UPDATE MECHANISM FOR COMPUTER STORAGE CONTAINER MANAGER

**MOYEN DE MISE A JOUR POUR MODULE DE GESTION D'ELEMENTS DE STOCKAGE
D'ORDINATEURS**

Patent Applicant/Assignee:

APPLE COMPUTER INC,

Inventor(s):

HARRIS Jared M,

RUBEN Ira L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9519001 A1 19950713

Application: WO 95US196 19950104 (PCT/WO US9500196)

Priority Application: US 94177853 19940105

Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU

JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NL NO NZ PL PT RO RU SD

SE SI SK TJ TT UA UZ VN KE MW SD SZ AT BE CH DE DK ES FR GB GR IE IT LU

MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: **G06F-009/44**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 119635

English Abstract

Methods and data structures are defined which permit information to be stored as objects in target containers and update containers. A target container defines a first state of the information, and the update container, which can point to the target container, identifies changes to the information in the first state which would be sufficient to update the first information state to a second information state. Update containers may be nested to any depth. When an application program opens an update container, the procedure searches down the chain until it finds the ultimate target container. It then creates in-memory structures for providing access to the objects and value data represented in such container. The procedure then works its way back up the chain, performing the changes on the in-memory structure, which are called for in each of the update containers.

French Abstract

L'invention se rapporte a des structures de donnees et a des procedes permettant de stocker des informations sous forme d'objets dans des elements de stockage cibles et dans des elements de stockage de mise a jour. Un element de stockage cible definit un premier etat relatif aux informations, et l'element de stockage de mise a jour, qui peut identifier l'element de stockage cible, identifie des modifications des informations presentant le premier etat, qui devraient permettre la mise a jour dudit premier etat en un second etat. Les elements de stockage de mise a jour peuvent s'emboiter indefiniment. Lorsqu'un programme d'application ouvre un element de stockage de mise a jour, la procedure appliquee consiste a effectuer une recherche le long de la chaine jusqu'a ce que l'element de stockage cible au bout de la chaine soit identifie. Des structures en memoire sont alors creees afin de permettre l'accès aux objets et aux donnees de valeur representes dans un tel element de stockage. La procedure consiste alors a remonter la chaine, et a effectuer, dans la structure en memoire, les modifications requises dans chacun des elements de stockage de mise a jour.

Main International Patent Class: **G06F-009/44**

Fulltext Availability:

Claims

Claim

... its base value to construct its refCon.

The refCon is then returned along with a **pointer** to another metahandler that is used by the Container Manager to get the addresses of...some random offset. A cyclic key encryption can be deterministic if you can always determine **where** to start in the **key** as a function of offset. But you can see that inserts and deletes will change the offsets of following data. You would not know **where** to start in the **key** ,
What all this means is that certain data transformations only make sense if you are...

...persistent IDs. Every Container Manager object is designated by a persistent ID which is unique **within** the scope of its container. Objects may have additional IDs and/or names that are...be read on a device that does not support efficient random access (such as a CD-ROM) the TOC can be split up into sub-TOCs that sit in front of...

| Set | Items | Description |
|-----|---------|---|
| S1 | 208594 | KEY? ? OR ENCRYPT?(2N) (SEED? OR SOURCE? OR KERNEL?) |
| S2 | 209910 | (FLOP? OR OPTICAL? OR COMPACT?) () (DISC? OR DISK?) OR CD? OR REMOVABLE() STORAGE? |
| S3 | 1061299 | HIDDEN? OR CONCEAL? OR WITHIN? OR EMBED? OR HIDE OR HIDING OR INVISIBLE? |
| S4 | 228387 | POINTER? OR INDICATOR? OR CLUE? OR HINT? ? OR MAP? ? OR MA- PPING OR MAPPED |
| S5 | 5166918 | LOCATION? OR WHERE? OR REGION? OR SECTOR? OR POSITION? OR - ADDRESS? ? |
| S6 | 7 | S1 AND S2 AND S3 AND S4 AND S5 |
| S7 | 275 | S1 AND S3 AND S4 AND S5 |
| S8 | 136 | S1 AND S2 AND S4 AND S5 |
| S9 | 28 | (S7 OR S8) AND IC=(H04N? OR H04K?) |
| S10 | 35 | S6 OR S9 |
| S11 | 404 | S7 OR S8 OR S6 |
| S12 | 316 | S11 NOT AD=19951015:19981015 |
| S13 | 251 | S12 NOT AD=19981015:20011015 |
| S14 | 244 | S13 NOT AD=20011015:20031023 |
| S15 | 11 | S14 AND IC=H04N? |
| S16 | 2 | S14 AND IC=H04K? |
| S17 | 13 | S15 OR S16 |
| S18 | 13 | IDPAT (sorted in duplicate/non-duplicate order) |
| S19 | 13 | IDPAT (primary/non-duplicate records only) |
| S20 | 2001 | (SEGREGAT? OR ISOLAT? OR SEPARAT? OR DIFFERENT()) (LOCATION? OR SECTOR? OR AREA?)) (5N) S1 |
| S21 | 2 | S20 AND S14 |
| S22 | 1 | S21 NOT S19 |
| S23 | 1 | S20 AND S2 AND S3 |
| S24 | 28338 | S2 AND (STRUCTURE? OR FORMAT? OR SHIFT?) |
| S25 | 5 | S24 AND S20 |

File 347:JAPIO Oct 1976-2003/Jun(Updated 031006)

(c) 2003 JPO & JAPIO

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200367

(c) 2003 Thomson Derwent

25/5/1 (Item 1 from file: 347)
DIALOG(R) File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

03686265 **Image available**
DRAWING FILE PROCESSING SYSTEM

PUB. NO.: 04-051365 [JP 4051365 A]
PUBLISHED: February 19, 1992 (19920219)
INVENTOR(s): YAMADA YUICHI
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 02-159716 [JP 90159716]
FILED: June 20, 1990 (19900620)
INTL CLASS: [5] G06F-015/60; G06F-012/00
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 42.5
(ELECTRONICS -- Equipment); 45.2 (INFORMATION PROCESSING --
Memory Units)
JAPIO KEYWORD: R060 (MACHINERY -- Automatic Design); R131 (INFORMATION
PROCESSING -- Microcomputers & Microprocessors)
JOURNAL: Section: P, Section No. 1363, Vol. 16, No. 241, Pg. 37, June
03, 1992 (19920603)

ABSTRACT

PURPOSE: To speed up a drawing processing, to make it precise and to save the staff by providing one key item which corresponds to a device number and a track number and another key item in which the attribute of a drawing can be developed in terms of hierarchy and which is composed of tree **structure** for the drawing filed in an **optical disk** and the like.

CONSTITUTION: The computer 5 of a master factory is connected to the host computers of a manufacture control part 30 and an order part 31 by online. Two keys are provided for a drawing file recorded in the **optical disk** device and the like. One is set to be the disk device number, the disk number and the track number from the highest digit on drawing numbers. The other calls the assemble drawing of whole types with the names of the types as a first level, displays a packing ASS drawing, an ASS drawing and a circuit ASS drawing as a second level, shows the selection of the ASS drawing as a third level and selects and displays a parts drawing as a fourth level. Thus, the retrieval of the drawing is facilitated by using two kinds of **keys separately**.

19/5/10 (Item 10 from file: 347)
DIALOG(R) File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

02966463 **Image available**
DIGITAL TYPE COPYING MACHINE

PUB. NO.: 01-264063 [JP 1264063 A]
PUBLISHED: October 20, 1989 (19891020)
INVENTOR(s): SHIGA KAN
APPLICANT(s): RICOH CO LTD [000674] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 63-090239 [JP 8890239]
FILED: April 14, 1988 (19880414)
INTL CLASS: [4] H04N-001/21 ; G03G-015/00; G06F-012/00; G06F-015/40
JAPIO CLASS: 44.7 (COMMUNICATION -- Facsimile); 29.4 (PRECISION
INSTRUMENTS -- Business Machines); 45.2 (INFORMATION
PROCESSING -- Memory Units); 45.4 (INFORMATION PROCESSING --
Computer Applications)
JAPIO KEYWORD: R098 (ELECTRONIC MATERIALS -- Charge Transfer Elements, CCD &
BBD)
JOURNAL: Section: E, Section No. 874, Vol. 14, No. 22, Pg. 74, January
17, 1990 (19900117)

ABSTRACT

PURPOSE: To extract object information quickly while confirming retrieval information by indexing in case of outputting picture information again by giving the retrieval information to a storage medium automatically at the write of a picture data and displaying the retrieval information as an index.

CONSTITUTION: The machine is provided with a scanner 1, an operation and display section 4, a printer 3, a driver 210, a timer 226, a control circuit 213 giving automatically retrieval information at write of a picture data, a liquid crystal display device 465 displaying the retrieval information at retrieval, an **address pointer** 228 segmenting part of the picture data at the 1st page as an index, a REG 230 storing the set index **position** and a software **key** 466 varying selectively plural index **positions**. Thus, the retrieval information is inputted automatically to a **floppy disk** 212A at filing, the content of the 1st page is confirmed by index and the index **position** is stored in response to the file. Thus, in case of outputting again the picture data recorded in the storage medium, the object information is extracted quickly.

19/5/3 (Item 3 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

010264775 **Image available**
WPI Acc No: 1995-166030/199522
XRPX Acc No: N95-130545

Image information management device for optical disk - incorporates facility to record details of edition followed by search of reference information to obtain details of edition and latest version on display unit

Patent Assignee: TOSHIBA KK (TOKE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| JP 7087437 | A | 19950331 | JP 93228535 | A | 19930914 | 199522 B |

Priority Applications (No Type Date): JP 93228535 A 19930914

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|------------|------|-----|----|-------------|--------------|
| JP 7087437 | A | | 10 | H04N-005/85 | |

Abstract (Basic): JP 7087437 A

The image information management device checks input check attribute when an input data is fed through an input device requesting reference information. The information is classified according to several **keys**. The details of different editions of an information unit or file are kept on record. The number of editions **key** (2) provides a **clue** to this.

When a new edition is added the specified title **key** (1) carries the **clue**. A separate **key** (3) indicates a document name. The data of registration of a document is given by another **key** (4). For example if the input check attribute data memory **position** (m11) of a reference data is searched and value S is found, then the search will be made through the number of editions **key** to obtain **location where** fifth edition could be found.

ADVANTAGE - Enables automatic input of several editions of information. Provides latest edition of information.

Dwg.5/8

Title Terms: IMAGE; INFORMATION; MANAGEMENT; DEVICE; OPTICAL; DISC;
INCORPORATE; FACILITY; RECORD; DETAIL; EDIT; FOLLOW; SEARCH; REFERENCE;
INFORMATION; OBTAIN; DETAIL; EDIT; LATE; VERSION; DISPLAY; UNIT

Derwent Class: T01; W04

International Patent Class (Main): H04N-005/85

International Patent Class (Additional): G06F-017/30; G11B-027/00;

H04N-005/78

File Segment: EPI

25/5/3 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

010874761 **Image available**
WPI Acc No: 1996-371712/199637
Related WPI Acc No: 1995-131093
XRPX Acc No: N96-312672

Secure data access from CD -PROM - using selectively encoded binary
digital password and decryption keys recorded on same disc in
different areas

Patent Assignee: ELONEX TECHNOLOGIES INC (ELON-N); ELONEX IP HOLDINGS LTD
(ELON-N)

Inventor: KIKINIS D

Number of Countries: 019 Number of Patents: 005

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| WO 9624209 | A1 | 19960808 | WO 96US841 | A | 19960118 | 199637 B |
| US 5596639 | A | 19970121 | US 9397767 | A | 19930726 | 199710 |
| | | | US 95380049 | A | 19950130 | |
| JP 10503309 | W | 19980324 | JP 96523597 | A | 19960118 | 199822 |
| | | | WO 96US841 | A | 19960118 | |
| JP 2994042 | B2 | 19991227 | JP 96523597 | A | 19960118 | 200006 |
| | | | WO 96US841 | A | 19960118 | |
| CN 1169805 | A | 19980107 | CN 96191653 | A | 19960118 | 200321 |
| | | | WO 96US841 | A | 19960118 | |

Priority Applications (No Type Date): US 95380049 A 19950130; US 9397767 A
19930726

Cited Patents: US 4577289; US 4584641; US 4644493; US 4695993; US 5027396;
WO 8802202

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9624209 A1 E 24 H04L-009/00

Designated States (National): CN JP

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL
PT SE

US 5596639 A 10 H04L-009/00 CIP of application US 9397767

JP 10503309 W 25 G06F-012/14 Based on patent WO 9624209

JP 2994042 B2 12 G06F-012/14 Previous Publ. patent JP 10503309

Based on patent WO 9624209

CN 1169805 A H04L-009/00 Based on patent WO 9624209

Abstract (Basic): WO 9624209 A

The method for providing digital information to a host computer in
a secure fashion on a CD -PROM involves providing the digital
information in **formatted** sectors of a recorded region on the disc.

A password is programmed into a programming region on the disc by
damaging the physical **structure** of the recording track in selected
sectors in the programming region, forming a sequence of physically
damaged and undamaged sectors. The sequence provides the password for
use in enabling reading of the digital information in the recording
region by a host computer. The password is recorded over an area of the
programming region having a digital storage capacity of at least one
megabyte of data storage.

USE/ADVANTAGE - Allows vendors of large diverse applications to
record all of application on single disc and then selectively enable
access to portions at time of purchase. Protects disc from copying.

Dwg.5/6

Title Terms: SECURE; DATA; ACCESS; SELECT; ENCODE; BINARY; DIGITAL;
PASSWORD; DECRYPTER; KEY; RECORD; DISC; AREA

Derwent Class: P85; T01; T03; W04

International Patent Class (Main): G06F-012/14; H04L-009/00

International Patent Class (Additional): G06F-003/06; G06F-009/06;

G09C-001/00; G11B-020/10; H04L-009/32

File Segment: EPI; EngPI